the branches being much more slender and containing fewer cells. Some of my specimens form dense, shrub-like tufts almost an inch in diameter.

EXPLANATION OF PLATE.

Fig. 1. *Discoporella reticulata*, natural size. Fig. 1*a*. The same magnified.

Fig. 2. *Fasciculipora bellis*, natural size. Fig. 2*a*. Side view of one of the bundles magnified. Fig. 2*b*. Vertical view of the extremity of the same.

Fig. 3. *Discoporella pristis*, natural size. Fig. 3*a*. A portion magnified. Fig. 3*b*. A small portion more highly magnified.

Fig. 4. *D. echinata*, natural size. Fig. 4*a*. A portion of the same magnified.

Fig. 5. *Fasciculipora fruticosa*, natural size. Fig. 5*a*. Portion of the same magnified.

Art. XXIII.—*Electricity as a Motive Power on Railways.*

By Mr. G. W. Selby, Jun.

[Read 13th December, 1883.]

Art. XXIV.—*Gas as a Motive Power.*

Professor Kernot, M.A.

[Read 13th December, 1883.]